

# Moberly Area Community College — Missouri S&T

## Biological Sciences BS Transfer Guide

Effective as of Fall 2023

### Moberly Area Community College

### Missouri S&T

#### Communication Skills (Take all courses)

|             |  |   |              |   |   |
|-------------|--|---|--------------|---|---|
| LAL 101     | Composition I                                  | 3 | ENGLISH 1120 | Exposition and Argumentation  | 3 |
| LAL 102     | Composition II                                 | 3 | ENGLISH 1160 | Writing and Research  | 3 |
| SPK 101     | Public Speaking<br>(if required for AA degree) | 3 | SPMS 1185    | Principles of Speech<br>(Not required for S&T degree. Transfers as a free elective) | 3 |
| Total Hours |  |   | Total Hours  |   |   |
| 9           |  |   | 9            |   |   |

#### Social Sciences (Select 9 credit hours to include one course to satisfy state requirement)

|   |   |   |   |  |   |
|---|---|---|---|--|---|
| HST 102 or<br>HST 105 or<br>HST 106 or<br>PSC 105 | Western Civilization II or<br>American History to 1865 or<br>American History fromn 1865 or<br>Intro to American Government<br>(At least one of these courses is required to satisfy state requirement) | 3 | HISTORY 1200 or<br>HISTORY 1300 or<br>HISTORY 1310 or<br>POL SCI 1200 | Modern Western Civilization or<br>American History to 1877 or<br>American History Since 1877 or<br>American Government<br>(At least one of these courses is required to satisfy state requirement) | 3 |
| ECN 102 or<br>ECN 101                             | Microeconomics or<br>Macroeconomics   | 3 | ECON 1100 or<br>ECON 1200   | Principles of Microeconomics or<br>Principles of Macroeconomics  | 3 |
| PSY 101   | General Psychology  | 3 | PSYCH 1101  | General Psychology   | 3 |
|   | Other economics, history, political science,<br>sociology, psychology elective.   | 3 |   | Other economics, history, political science,<br>sociology, psychology elective.  | 3 |
| Total Hours                                       |   |   | Total Hours   |  |   |
| 9   |   |   | 9   |  |   |

#### Humanities (Select 6 hours)

|                       |   |   |              |   |   |
|-----------------------|---|---|--------------|---|---|
| ART 101 or<br>ART 102 | Art Survey and Appreciation I or<br>Art Survey and Appreciation I | 3 | ART 1180     | Art Appreciation                                      | 3 |
| MUS 101 or<br>MUS 102 | Fundamentals of Music or<br>Music Appreciation                    | 3 | MUSIC 1150   | Music Understanding and Appreciation                  | 3 |
| DRM 120               | Theatre Appreciation  |   | THEATRE 1190 | Theatre via Video                                     | 3 |
| LAL 150               | English Literature Survey to 1750                                 | 3 | ENGLISH 1211 | British Literature I: The Beginnings to 1800          | 3 |
| LAL 120               | American Literature Survey to 1870                                | 3 | ENGLISH 1221 | American Literature: 1600 to 1865                     | 3 |
| LAL 201               | World Literature I  | 3 | ENGLISH 1231 | World Literature I                                    | 3 |
| LAL 255               | Women's Literature  | 3 | ENGLISH 2242 | Literature by Women                                   | 3 |
| LAL 125               | African-American Literature                                       | 3 | ENGLISH 2245 | African American Literature                           | 3 |
| PHI 150               | Intro to Philosophy   | 3 | PHILOS 1105  | Intro to Philosophy                                   | 3 |
|                       | Other fine art, literature, or philosophy<br>elective             | 3 |              | Other fine art, literature, or philosophy<br>elective | 3 |
| Total Hours           |   |   | Total Hours  |   |   |
| 6                     |   |   | 6            |   |   |

#### Mathematics and Sciences (Take all courses)

|                       |   |   |                                       |   |   |
|-----------------------|---|---|---------------------------------------|---|---|
| BIO 155               | General Biology for Majors I                            | 4 | BIO SCI 1113, 1219                    | General Biology and Lab                                 | 4 |
| MTH 201               | Analytic Geometry and Calculus I                        | 5 | MATH 1212 or<br>MATH 1214             | Survey of Calculus or<br>Calculus I                     | 4 |
| PHY 121               | General Chemistry I                                     | 5 | CHEM 1310, 1319                       | General Chemistry I and Lab                             | 5 |
| PHY 122               | General Chemistry II                                    | 5 | CHEM 1320                             | General Chemistry II                                    | 3 |
| PHY 222               | Elementary Organic Chemistry                            | 5 | CHEM 2210, 2219                       | Organic Chemistry I and Lab                             | 4 |
| PHY 181 or<br>PHY 201 | General Physics I (4) or<br>Engineering Physics I (5)   | 4 | PHYSICS 1145, 1119 or<br>PHYSICS 1135 | College Physics I and Lab or<br>Engineering Physics I   | 5 |
| PHY 182 or<br>PHY 202 | General Physics II (4) or<br>Engineering Physics II (5) | 4 | PHYSICS 2145, 2119 or<br>PHYSICS 2135 | College Physics II and Lab or<br>Engineering Physics II | 5 |
| Total Hours           |   |   | Total Hours                           |   |   |
| 32                    |   |   | 30                                    |   |   |

#### Additional Degree Requirements

Select additional courses to total up to the maximum transfer credit hours shown below.

|         |                               |   |                    |  |   |
|---------|-------------------------------|---|--------------------|--|---|
| BIO 160 | General Biology for Majors II | 4 | BIO SCI 1223, 1229 | Biodiversity and Lab or<br>Principles of Biology II equivalent | 4 |
|---------|-------------------------------|---|--------------------|--|---|

#### Maximum credit hours to be transferred to Missouri S&T degree requirements.

**64**

Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T.

Students must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.

Students are not required to complete all courses on this guide before transferring to Missouri S&T.